REFERENCES

1. Allikmets, R et al : A human placenta-specific ATP-binding cassette gene (ABCP) on chromosome 4q22 that is involved in multidrug resistance: Cancer Res. 1998.(58):5337-5339.
2. Anne-Sophie Voisin-Chiret et al: First Identification of Boronic Species as Novel Potential Inhibitors of the Staphylococcus aureus NorA Efflux Pump: J. Med. Chem. 2014.(57):2536-2548.
3. Arnaldo Fravolini et al: From Phenothiazine to 3-Phenyl-1,4-benzothiazine Derivatives as Inhibitors of the Staphylococcus aureus NorA Multidrug Efflux Pump: J. Med. Chem. 2008.(51): 4321-4330.
4. Bradley, G, Juranka, P. F, Ling, V: Mechanism of multidrug resistance: Biochim. Biophys. Acta. 1988.(948):87-128.
5. Bradley, G, Naik, M, Ling, V,Lines, C: P-glycoprotein expression in multidrug-resistant human ovarian carcinoma cell lines P-glycoprotein expression in multidrug-resistant human ovarian carcinoma: Cancer Res. 1989.(49):2790-2796.
6. Chen C. J et al: Internal duplication and homology with bacterial transport proteins in the mdr1 (P-glycoprotein) gene from multidrug-resistant human cells: Cell 1986. (47): 381-389.
7. Debenham P. G, Kartner, N, Siminovitch, L, Riordan, J. R, Ling, V: DNA-mediated transfer of multiple drug resistance and plasma membrane glycoprotein expression: Mol. Cell. Biol. 1982.(2):881-889.
8. Doyle, L. A et al : A multidrug resistance transporter from human MCF-7 breast cancer cells: Proc. Natl. Acad. Sci. 1998.(95):15665-15670.
9. Françoise Van Bambeke et al: Inhibitors of Bacterial Efflux Pumps as Adjuvants in Antibacterial Therapy and Diagnostic Tools for Detection of Resistance by Efflux: Frontiers in Anti-Infective Drug Discovery 2010.(1):138-175.
10. Franz Josef Schmitz et al: The effect of reserpine, an inhibitor of multidrug effluc pumps, on the in vitro activitiesof ciproflaxin, sparfloxacin and moxifloxacin against clinical isolates of Staphylococcus aureus. Journal of Antimicrobial Chemotherapy. 1998.(42):807-810.

11. Gabriele Cruciani et al: Discovery of Novel Inhibitors of the NorA Multidrug Transporter of Staphylococcus aureus: J. Med. Chem. 2011.(54):354-365.
12. George P. Tegos et al: Microbial Efflux Pump Inhibition: Tactics and Strategies: Curr Pharm Des. 2011.(13)17:1291–1302.
13. Gros, P, Fallows, D. A, Croop, J. M, Housman, D. E: Chromosome-mediated gene transfer of multidrug resistance: Mol. Cell. Biol. 1986.(6):3785-3790.
14. Jayanta Haldar et al: A Biocompatible Injectable Hydrogel with Potent Wound Healing and Antibacterial Properties: Molecular Pharmaceutics 2017.(14)4:1218-1230.
15. Jayanta Haldar et al: Antibacterial and Antibiofilm Activity of Cationic Small Molecules with Spatial Positioning of Hydrophobicity: An in Vitro and in Vivo Evaluation: J. Med. Chem. 2016 (59):10750-10762.
16. Jean-Marie Pages et al: Antibiotic efflux pumps in Gram-negative bacteria:The inhibitor response strategy: Journal of Antimicrobial Chemotherapy 2007.(59):1223-1239.
17. Jingjing Sun, Ziqing Deng, Aixin Yan: Bacterial multidrug efflux pumps: Mechanisms, physiology and pharmacological exploitations: Biochemical and Biophysical Research Communications 2014.(453):254-267.
18. Jordi Vila et al: Porins, efflux pumps and multidrug resistance in Acinetobacter baumannii. Journal of Antimicrobial Chemotherapy 2007.(59):1210-1215.
19. Joshi P et al : Osthol and curcumin as inhibitors of human Pgp and multidrug efflux pumps of Staphylococcus aureus: reversing the resistance against frontline antibacterial drugs: MedChemComm. 2014. (5): 1540-1547.
20. Juliano, R. L, Ling, V: A surface glycoprotein modulating drug permeability in Chinese hamster ovary cell mutants: Biochem. Biophys. Acta. 1976.(455):152-162.
21. Juliano, R.: Drug-resistant mutants of Chinese hamster ovary cells possess an altered cell surface carbohydrate component: J. Supramol. Struct. 1976.(4): 521-526.

22. Kalia, N. P et al : Capsaicin, a novel inhibitor of the Nor A efflux pump, reduces the intracellular invasion of Staphylococcus aureus: J. Antimicrob. Chemother. 2012.(67): 2401-2408.
23. Longo-Sorbello, G. S, Bertino, J. R: Current understanding of methotrexate pharmacology and efficacy in acute leukemias. Use of newer antifolates in clinical trials:Haematologica. 2001.(86):121-127.
24. M. A. Webber and L. J. V. Piddock: The importance of efflux pumps in bacterial antibiotic resistance. Journal of Antimicrobial Chemotherapy. 2003.(51):9-11.
25. Mark I. Garvey and Laura J. V. Piddock: The Efflux Pump Inhibitor Reserpine Selects Multidrug-Resistant Streptococcus pneumoniae Strains That Overexpress the ABC Transporters PatA and PatB: Antimicrobial Agents and Chemotherapy 2008.(52)5:1677-1685.
26. McGrath T and Center M: Mechanisms of multidrug resistance in HL60 cells: evidence that a surface membrane protein distinct from P-glycoprotein contributes to reduced cellular accumulation of drug: Cancer Res. 1988.(48):3959-3963.
27. Mirza, Z. M et al : Piperine as an inhibitor of the Mde A efflux pump of Staphylococcus aureus: Journal of medical microbiology . 2011. (60):1472-1478.
28. Miyake K. et al : Molecular cloning of cDNAs which are highly overexpressed in mitoxantrone-resistant cells: demonstration of homology to ABC transport genes: Cancer Res. 1999.(59):8-13.
29. Novy, P et al : In vitro synergistic effects of baicalin with oxytetracycline and tetracycline against Staphylococcus aureus: Journal of Antimicrobial Chemotherapy. 2011. (66):1298-1300.
30. Olga Lomovskaya and Will Watkins : Inhibition of Efflux Pumps as a Novel Approach to Combat Drug Resistance in Bacteria. J. Mol. Microbiol. Biotechnol. 2001.(2)3:225-236.
31. P. Blanco et al: The development of efflux pump inhibitors to treat Gram-negative infections: Expert Opinion on Drug Discovery: 2018:1-13.
32. Poole, K: Efflux-mediated multiresistance in Gram-negative bacteria: Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases. 2004 (10): 12-26.

33. Rakesh Kumar and Savita Jandaik Pooja Patial: A Review on Efflux Pump Inhibitors of Gram-Positive and Gram-Negative Bacteria from Plant Sources: Int.J.Curr.Microbiol.App.Sci. 2016 (5)6:837-855
34. Riordan J. R, Deuchars, K, Kartner, N, Alon, N, Trent, J, Ling, V,: Amplification of P-glycoprotein genes in multidrug resistance mammalian cells: Nature 1985.(316):817-819.
35. Riordan J. R, Ling V: Purification of P-glycoprotein from plasma membrane vesicles of Chinese hamster ovary cell mutants with reduced colchicine permeability: J. Biol. Chem. 1979.(254): 12701-12705.
36. Sharma S et al: Piperine as an inhibitor of Rv1258c, a putative multidrug efflux pump of Mycobacterium tuberculosis: J. Antimicrob. Chemother. 2010 (65):1694-1701.
37. Simon Gibbons et al: Bacterial efflux pumps inhibitors from natural sources: Journal of Antimicrobial Chemotherapy. 2007(59): 1247–1260
38. Singh S et al: Boeravinone B, A Novel Dual Inhibitor of Nor A Bacterial Efflux Pump of S. aureus and Human P-Glycoprotein, reduces Biofilm formation and Intracelluar invasion of Bacteria: Front. Microbiol. 2017.(8): 1868-1879.
39. Stefano Sabatini et al: Evolution from a Natural Flavones Nucleus to obtain 2-(4-Propoxyphenyl)quinoline Derivatives As Potent Inhibitors of the S. aureus NorA Efflux Pump: J. Med. Chem. 2011.(54):5722–5736.
40. Stefano Sabatini et al: From 6-Aminoquinolone Antibacterials to 6-Amino-7 thiopyranopyridinylquinolone Ethyl Esters as Inhibitors of Staphylococcus aureus Multidrug Efflux Pumps: J. Med. Chem. 2010.(53):4466-4480.
41. Stefano Sabatini et al: Pyrazolo[4,3-c][1,2]benzothiazines 5,5-Dioxide: A Promising New Class of Staphylococcus aureus NorA Efflux Pump Inhibitors: J. Med. Chem. 2012.(55): 3568-3572.
42. Stefano Sabatini et al: Re-evolution of the 2-Phenylquinolines: Ligand-Based Design, Synthesis, and Biological Evaluation of a Potent New Class of Staphylococcus aureus NorA Efflux Pump Inhibitors to Combat: J. Med. Chem. 2013.(56):4975-4989.

43. Stephane Pellet-Rostaing et al: Synthesis and evaluation of new arylbenzo[b]thiophene and diarylthiophene derivatives as inhibitors of the NorA multidrug transporter of Staphylococcus aureus: Bioorganic & Medicinal Chemistry 2007.(15):4482-4497.
44. Ueda, K, Cardarelli, C, Gottesman M, Pastan I: Expression of a full-length cDNA for the human "MDR1" gene confers resistance to colchicine, doxorubicin, and vinblastine: Proc. Natl. Acad. Sci. 1987. (84):3004-3008.
45. Umar Farooq et al: A Review on Efflux Pump Inhibitors of Medically Important Bacteria from Plant Sources: Int. J. Pharm. Sci. 2014.(2)26: 101-111.
46. Van der bliek A. M, Van der Velde-Koerts T, Ling, V, Borst, P: Overexpression and amplification of five genes in a multidrug-resistant Chinese hamster ovary cell line: Mol. Cell. Biol. 1986. (6):1671-1678.
47. Yang, X and Liu, K: P-gp inhibition-based strategies for modulating pharmacokinetics of anticancer drugs: an Update: Curr. Drug Metab. 2016 (17):806-824.